Developing Future Logistics Capabilities

S&RL + FL --> KEL

JLTFs

JCAs & CPMs

S&RL- APEX- GFMB

DMRB

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Transformation Analyst, OADUSD (Program Support)- in L&MR (the Log side of AT&L)

OSD-Level S&RL Initiatives

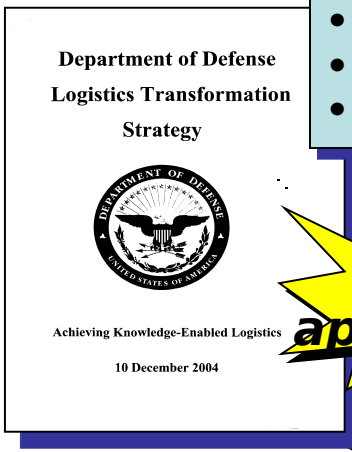
- KEL “DoD Log Strategy” document (Dec’04)
- L&MR published Joint Logistics “As Is” RoadMap (Sep’05)
- Joint Logistics Transformation Forums (JLTFs w/ SOLE) #1-2-3 (in 2005/06)
  - Three JLTFs with government, industry & academic participation
- Anteon/GDIT “S&RL Study” (2005/06)
  - CougaarSoft & Technology Readiness Level (TRLs)
- UMD “Data Portal Demonstration” for PM F/A-18 (2005/06)
  - CSI S&RL Roadmap for legacy systems
- NDIA & AIA (Public-Private Partnership) (2005/06)
  - Product Support & Tech Data / Data Mgt & Standardization / Transmission & Translation
  - (Just Re-Started by ADUSD-MR w/ NDIA & PRTM; later today)
  - CBM+ / Autonomic Logistics by ADUSD-Maint (
- QDR 2006 and IR&G initiatives (later in this brief)
  - JCAs & JL CPM (LMI 06/07/08 → IBM 09)
- J4 led Joint Logistics Architecture work (PRTM)
- L&MR published Logistics Strategic Direction (Aug’06)
- JLTF#4 @ SOLE Annual Conference Aug 2006
- DoD focus on sense-interpret-respond… Log impact on Adaptive Planning & Execution (APEX)
- OFT sponsored DAU Study- S&RL Day in Sep’06
- NCOIC @ SPAWAR Nov 2006- S&RL WG… continues
- L&MR & J4 sponsored Feb’08 demo of JLTF as a representative Log COAA Planning Tool… GCSS-J
  (Continued engagement with ManTech on future Log IT)
- L&MR publishes Joint Logistics RoadMap’08
- L&MR and J4 led Log Human Capital Strategy (IBM)
- J4 / L&MR led Center for Joint and Strategic Logistics Education (CJSLE @ ICAF/NDU)
- NDAA’08 directed Defense Materiel Readiness Board (DMRB)
- JLETT effort with JFCOM (Map existing S&RL Technologies- CougaarSoft)
- JLTF#5 &6

1

Logistics Transformation Strateg

- Recognized Focused Logistics as JROC-Approved
- Incorporated Sense and Respond Tenets
- Subsumed Force-Centric Logistics Enterprise Init
- Recognizes emerging transformation concepts

Joint Logistics Capabilities


Department of Defense
Logistics Transformation
Strategy

Achieving Knowledge-Enabled Logistics

10 December 2004

JLB approved

JLTFs

KEY ISSUES

1) DoD capability to process demand signals that are not requisitions
2) Network hosted business rules for sourcing and lateral redistribution
3) Industrial based responsiveness to demand signals

1

Government, Industry, Academia
ID of issue complexities, magnitude, & potential strategic milestones

Further consideration

4) Broader global sourcing of material and services
5) Full integration of intel, operations, logistics and a net-centric environment in the Global Information Grid
6) DoD capability to document, translate, and manage commander's intent and situational awareness into appropriate logistics actions in an automated process

2

DELIBERATIO

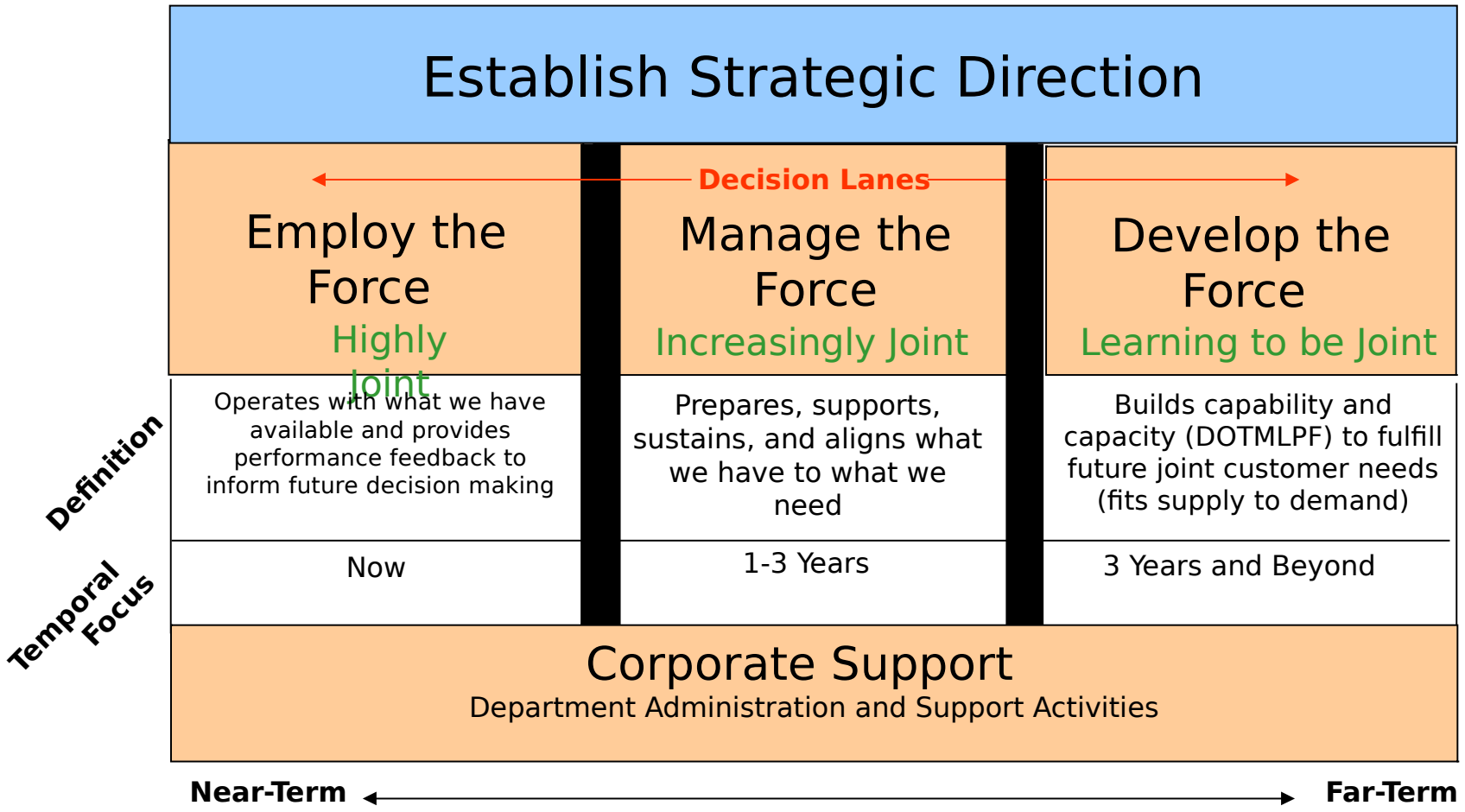
3

Joint Logistics Transformation Forums

series of 3 forums, Apr – Nov 2005

7) Expanding Combatant Commanders' directive authority

2 Corporate Decision Lanes (IR&G)

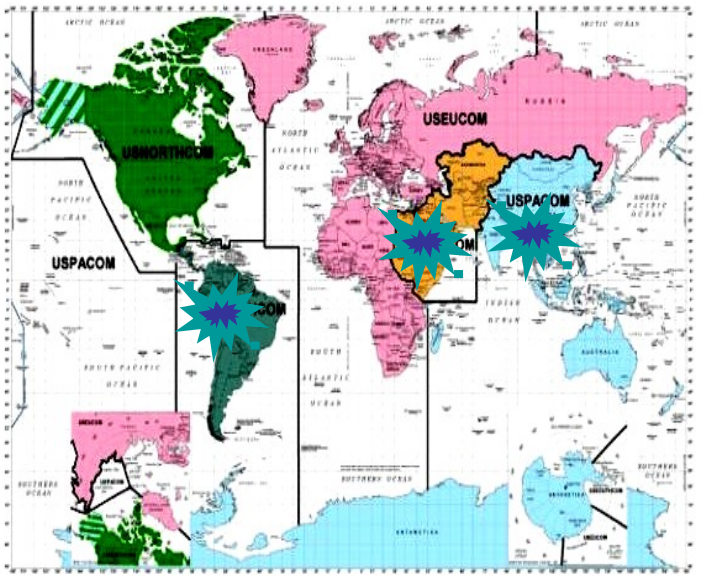


Two Types of Concept Customers

Operational Lens

Force Employer Focus on ENDS

Increased U.S. Security



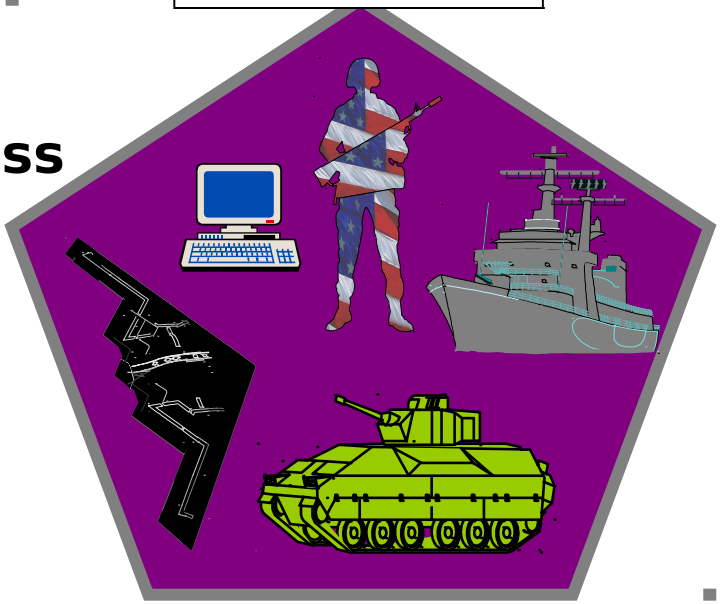
Endstates

Effectiveness & Efficiency

Enterprise Lens

Force Builder Focus on MEANS

Improved U.S. Military

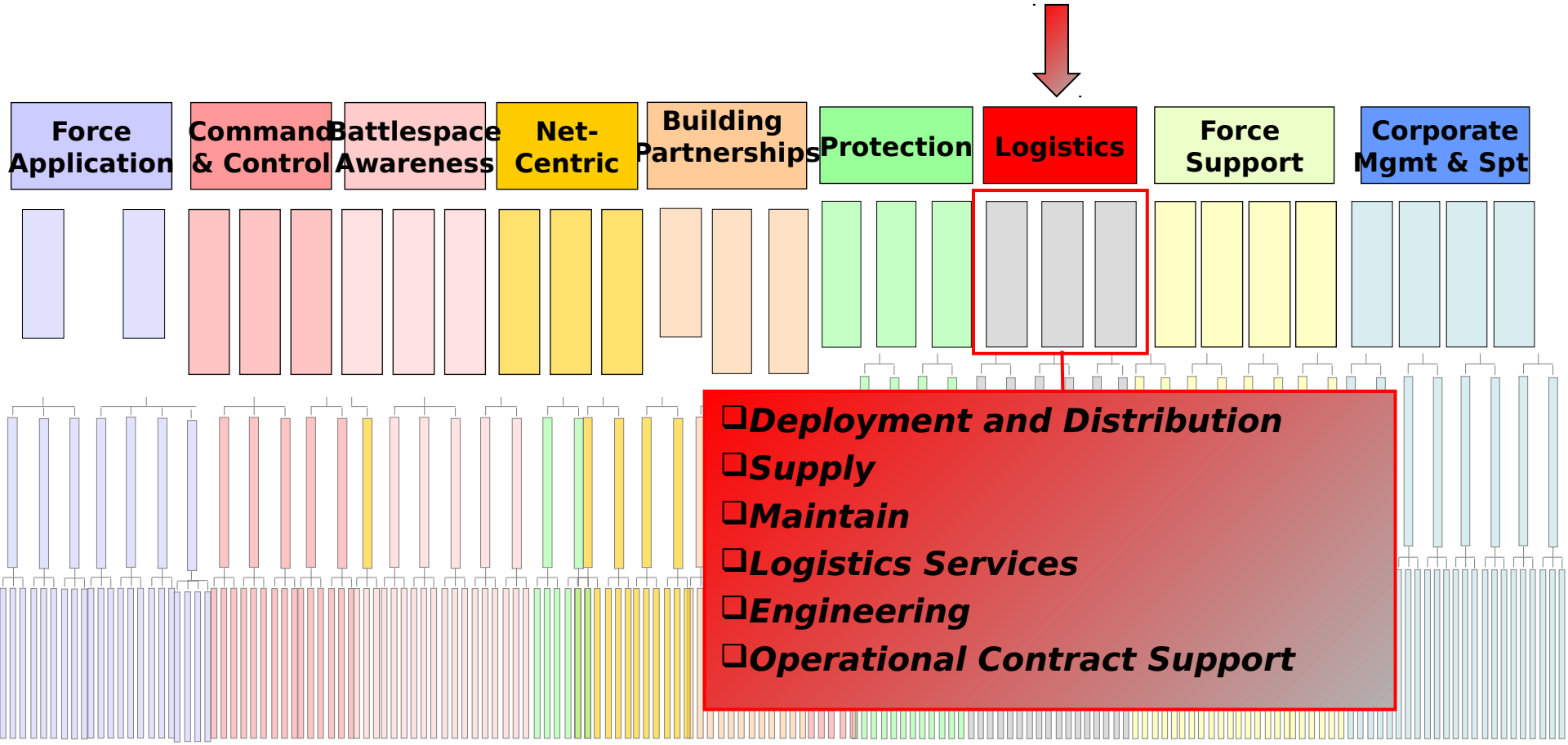


Operational

Functional

3

New JCA structure with *Logistics* as 1/9 Tier



The ability to project and sustain a logistically ready joint force through the deliberate sharing of national and multi-national resources to effectively support operations, extend operational reach and provide the joint force commander the freedom of action necessary to meet mission objectives

Joint Operations Concepts (JOpsC) Family

Strategic Guidance

Inform

Inform

Capstone Concept for Joint Operations (CCJ
Description of how the joint force will operate 8-20 years in

Revision 2008 based on JOE

Joint Operating Concepts (JOC)
Operational design and effects

Operational Context

To be canceled

Joint Functional Concepts (J
Functional capabilities

Support

1. Homeland Defense/Civil Support 2.0 (Oct 07)
2. Deterrence Operations 2.0 (Dec 06)
3. Major Combat Operations 2.0 (Dec 06)
4. Military Support to Stabilization Security, Transition and Reconstruction (SSTR) Operations 2.0 (Dec 06)
5. Irregular Warfare 1.0 (Sep 07)
6. Military contribution to Cooperative Security (Sep 08)

1. Battlespace awareness 1.0 (Dec 03)
2. Command and Control 1.0 (Feb 04)
3. Force Application 1.0 (Feb 04)
4. Focused Logistics 1.0 (Dec 03)
5. Force Management 1.0 (Jun 05)
6. Net-Centric 1.0 (Apr 05)
7. Force Protection 1.0 (Jun 04)
8. Joint Training 1.0 (Aug 07)

Joint Integrating Concepts (JIC)
Integrating tasks, conditions and standards

1. Global Strike (Jan 05)
2. Joint Undersea Superiority (Jan 04)
3. Integrated Air and Missile Defense (Dec 06)
4. Seabasing (Aug 05)

x. Maritime Domain Awareness (Under dev)

5. Joint Logistics – Distribution (Dec 05)
6. Joint Command & Control (Aug 05)
7. Net-Centric Operational Environment (Oct 05)
8. Persistent ISR (Mar 07)

x. FID/COIN (under dev)

9. Combating WMD (Dec 07)
10. Joint Urban Operations (Jul 07)

x. Strat Communications (seeking JROC approval)

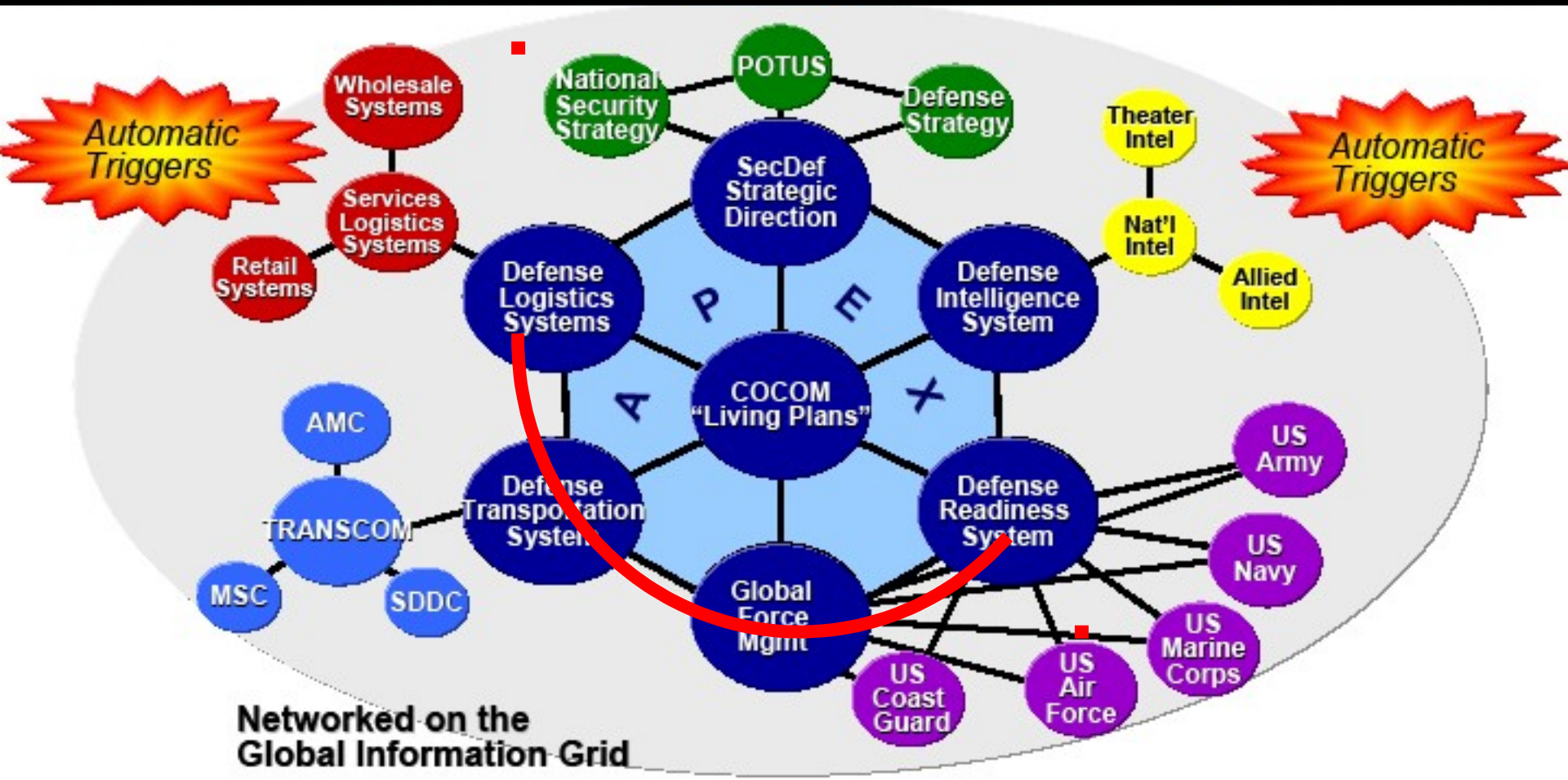
x. Defeating Terrorist Networks (under dev)

x. Unconventional Warfare (under dev)

Concept Development Governed by CJCSI 3010.02B

ADAPTIVE PLANNING & EXECUTION (APEX) is a System-of-Systems Challenge

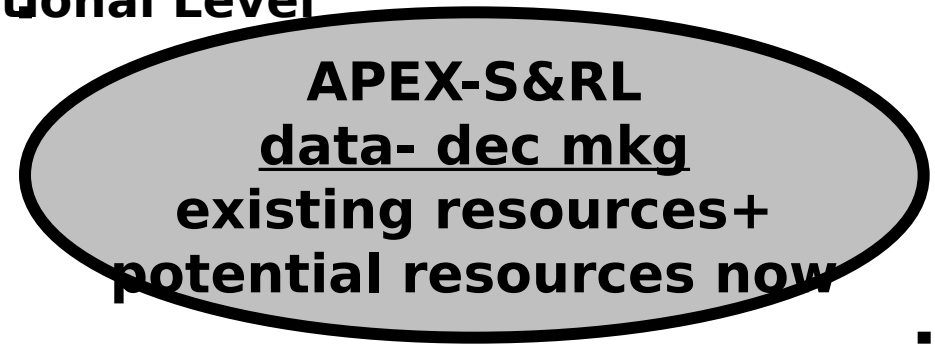
4



JLTF #5

- The Military Strategic Level

- The Operational Level



- The Tactical Level

Operational Lens

Force Employer Focus on END

Enterprise Lens

Force Builder Focus on MEANS

- **Strategic Level**

Risk Mgt
Time / Money / Resources
Global Capability

- **Operational Level**

Capabilities in Theater
Units (potential missions)

- **Tactical Level**

Units (current missions)
Platforms
Data

Materiel Readiness (local)
& its effect on capability
of the unit to perform missions
... or EFFECTIVENESS

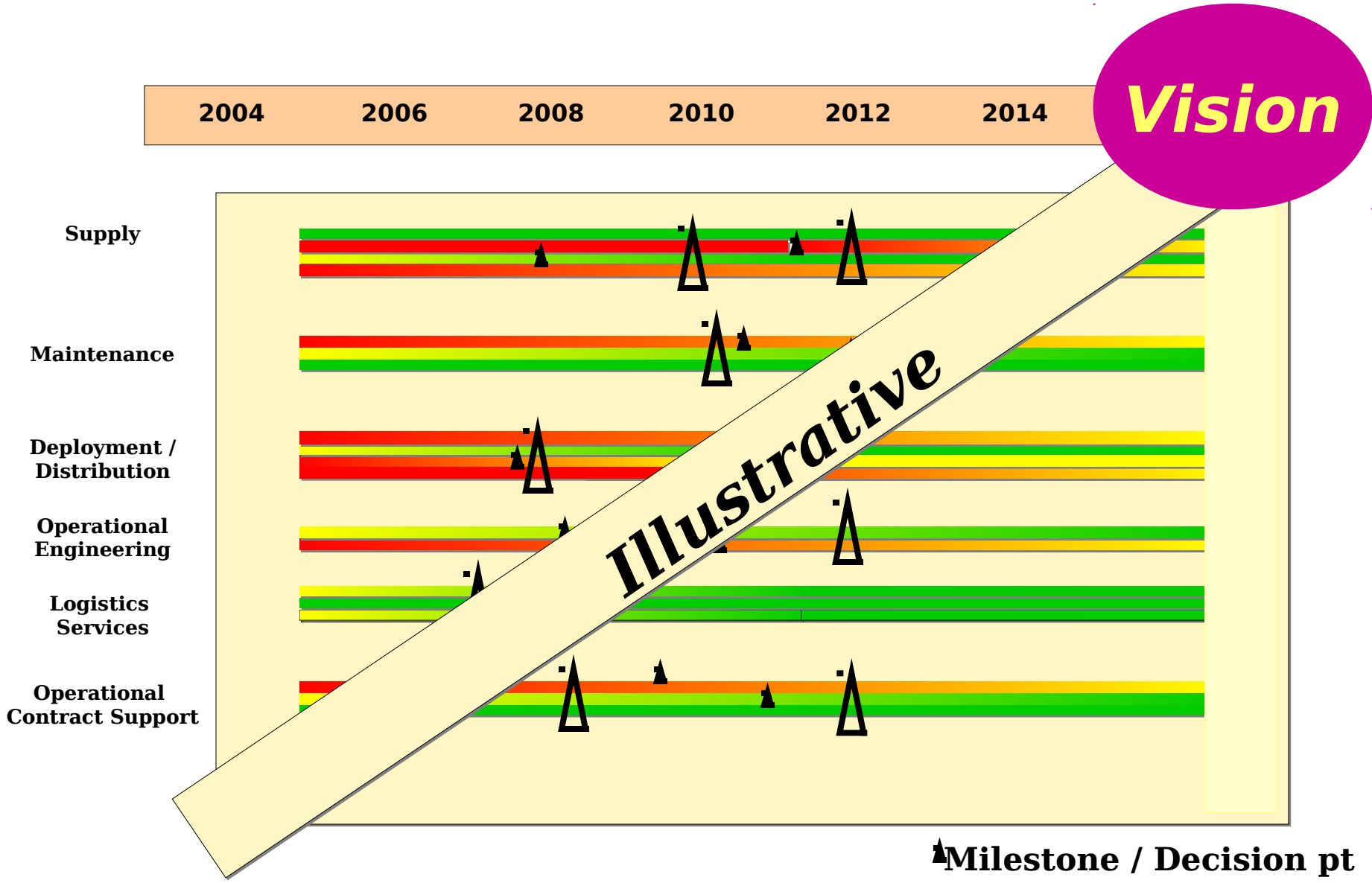
Materiel Readiness (global)
& its effect on capability & capacity
of the Defense Force to perform missi
... or EFFICIENCY

Employ the Force
OPERATIONS
JCAs

Manag
e the
Force

Develop the Force
FORCE STRUCTURE
LCM

Logistics Roadmap



Background

OSD

QDR

SPG

DPO

DRID 54

1

QDR

IR&G

2

JLTFs 1- 4

4

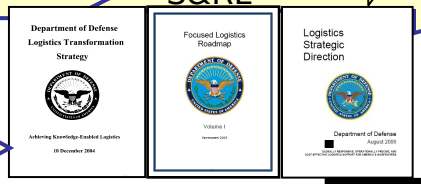
DMRB

APEX

S&RL

S&RL

S&RL



DoD Log RdMp 2008

FLE

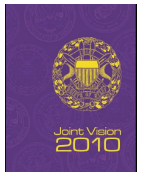
CPM Test Cases

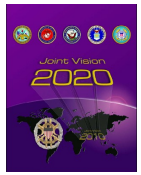
Joint -Log

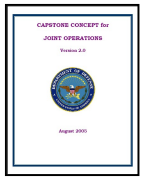
3

new JCAs

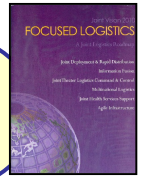
Joint Staff

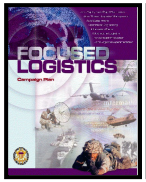


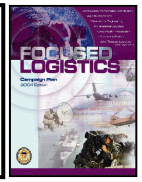


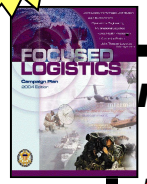


FL Challenges & DOCs









new JL JFC

DARPA

Advanced Logistics Program

UltraLog

NCL xxxx

1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008

Globalization & Defense Logistics (pre-LOE)

- More connectivity (overlapping resources)
- Greater gaps (have's / have not's)
- An International (public & private) Defense Industrial Base

- Shrinking defense resources (forces &/or budgets)
- Recovery from current operations (Retrograde, Refit/Reset, Re-posture)
- Persistent operations (GWOT)

- Effectiveness vs. Efficiency

- Need-to-Know vs. Need-to-Share